

**IN THE SPECIFICATION:**

Please amend the specification as follows:

Page 1, replace lines 1 and 2 with **METHOD FOR BIDIRECTIONAL DATA**

**TRANSMISSION VIA A TWO-WIRE LINE--;**

after line 2, insert the headings:

**--BACKGROUND OF THE INVENTION**

Field of the Invention:--;

after line 15, insert the heading:

--Background Art:--; and

after line 23, insert the heading:

**--SUMMARY OF THE INVENTION--**

Page 6, after line 11, insert the heading:

**--BRIEF DESCRIPTION OF THE DRAWINGS--;**

replace lines 12-15 with:

**32**  
--Other objects and advantages of the present invention will become more apparent  
from the following detailed description of a preferred embodiment, wherein:--;

line 18, change " / " to --;--; and

after line 20, insert the heading:

**--DETAILED DESCRIPTION OF THE INVENTION--**

Page 9, line 15, change "11 [sic]" to --9--;

line 17, change "analog-to-digital" to --digital-to-analog--;

line 18, change "analog-to-digital" to --digital-to-analog--; and